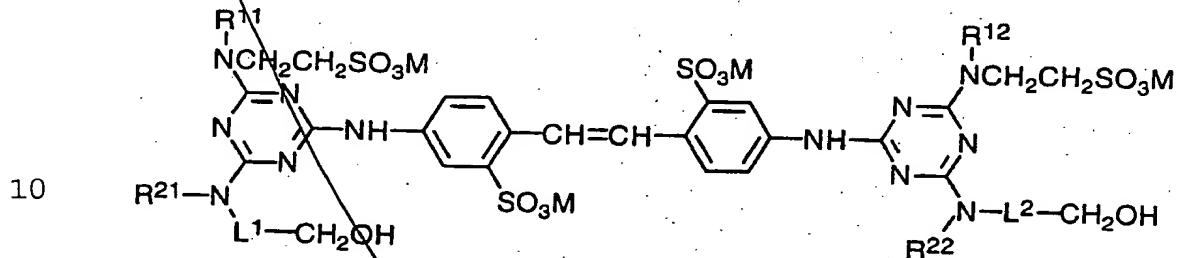


What is claimed is:

5 1. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-
disulfonic acid derivative having the following formula:



in which

15 each of R¹¹ and R¹² independently is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, or an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy;

20 R²¹ is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of -L¹-CH₂OH wherein L¹ is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding;

25 30

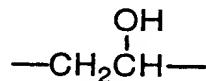
35 R²² is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6

to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of $-L^2-CH_2OH$ wherein L^2 is an alkylene group having 2 to 8
5 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding; and

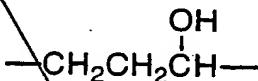
M is a hydrogen atom, an alkali metal atom, an alkaline earth metal atom, ammonium group, or pyridinium group.

2. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein at least 15 one of L^1 and L^2 is a divalent group which is represented by one of the following formulas 1) to 5):

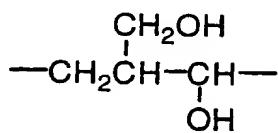
1)



2)

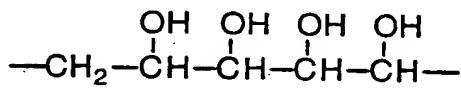


3)

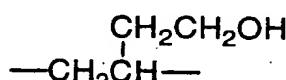


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4)



5)

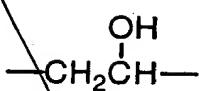


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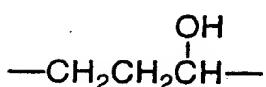
30

3. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein at least 35 one of L^1 and L^2 is a divalent group which is represented by one of the following formulas 1) to 4):

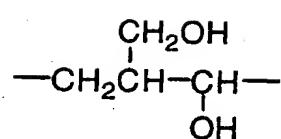
1)



2)



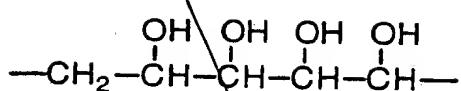
3)



5

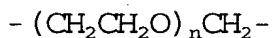
4)

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15

4. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein at least one of L¹ and L² is a divalent group which is represented by the following formula:



20

5. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 4, wherein n in the formula is 1 or 2.

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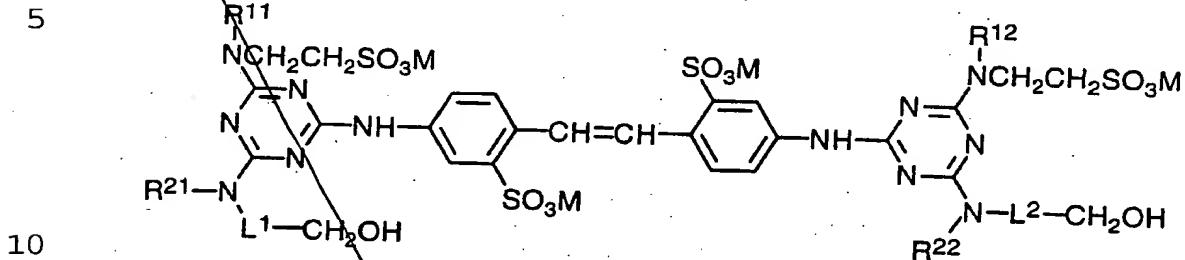
6. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein each of R¹¹ and R¹² in the formula independently is hydrogen or methyl.

30

7. 4,4'-Bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative of claim 1, wherein each of R²¹ and R²² in the formula independently is hydrogen, methyl, ethyl, isopropyl, 2-hydroxyethyl, 2-hydroxypropyl, 3-hydroxypropyl, 2,3-dihydroxypropyl, 2-(2-hydroxyethoxy)-ethyl, 2-[2-(2-hydroxyethoxy)ethoxy]ethyl, phenyl, or 4-hydroxyphenyl.

Su
A¹

8. An aqueous solution in which a 4,4'-bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative having the following formula is dissolved in water:



in which

each of R¹¹ and R¹² independently is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, or an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy;

~~R²¹ is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of -L¹-CH₂OH wherein L¹ is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding;~~

30 R²² is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl,

Sub A

alkyl, or alkoxy, or a group represented by the formula of $-L^2-CH_2OH$ wherein L^2 is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl

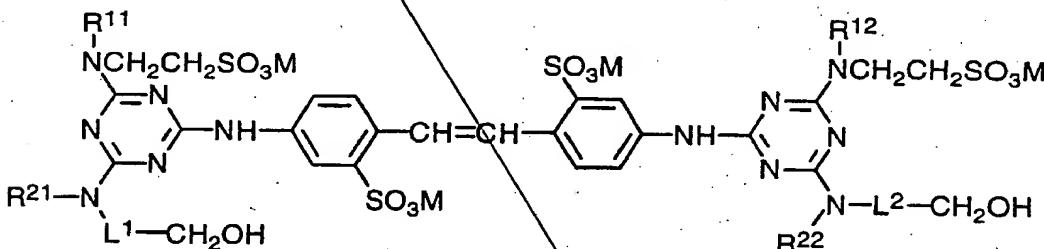
5 having 1 to 3 carbon atoms or which has an intervening ether bonding; and

M is a hydrogen atom, an alkali metal atom, an alkaline earth metal atom, ammonium group, or pyridinium group.

10

9. A method of brightening a surface of material with fluorescence which comprises applying onto the surface an aqueous solution in which a 4,4'-bis(1,3,5-triazinylamino)stilbene-2,2'-disulfonic acid derivative having the following formula is dissolved in water:

20



in which

each of R^{11} and R^{12} independently is a hydrogen atom, 25 an alkyl group having 1 to 20 carbon atoms, or an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy;

R^{21} is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents 30 selected from the group consisting of hydroxyl, carboxyl, 35 alkyl, or alkoxy, or a group represented by the formula

of $-L^1-CH_2OH$ wherein L^1 is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding;

S.M.
A.

5 R^{22} is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, sulfo, and alkoxy, an aryl group having 6 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl, carboxyl, alkyl, or alkoxy, or a group represented by the formula of $-L^2-CH_2OH$ wherein L^2 is an alkylene group having 2 to 8 carbon atoms which has one or more substituents selected from the group consisting of hydroxyl and hydroxylalkyl having 1 to 3 carbon atoms or which has an intervening ether bonding; and

10 M is a hydrogen atom, an alkali metal atom, an alkaline earth metal atom, ammonium group, or pyridinium group.

15

20

add C'